

Cumberland Valley Area Occupational Outlook to 2010

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Education Cabinet
Department for Employment Services
Frankfort, Kentucky 40621

CUMBERLAND VALLEY AREA OCCUPATIONAL OUTLOOK TO 2010

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PREFACE

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within R&S developed the projections and this publication.

The Kentucky Occupational Employment Statistics (OES) survey of Kentucky employers provided the occupational employment data used in the study. This is a statewide survey of approximately 20,000 employers, over a three-year period, representing the various industries in Kentucky. The employment data used to project industries to the year 2010 were based on the Current Employment Statistic (CES) and the Employment and Earnings (ES-202) programs. The projected total growth in each Area Development District (ADD) was based on employment data from 1971 through 2000 developed from the Local Area Unemployment Statistics (LAUS) program. Data from all of the above programs were used to develop the occupational outlook to 2010 publications for each Area Development Districts listed below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyriple Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The projections and this publication are funded by the U.S. Department of Labor (USDOL), Employment and Training Administration. The national industry and occupational projections developed by the U. S. Department of Labor's Bureau of Labor Statistics were used in the process to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the occupational projections. Special thanks go to the Kentucky employers who completed the questionnaires that provided the employment information necessary for this effort.

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INTRODUCTION

Which jobs will be in demand in the Cumberland Valley Area from now until the year 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest and which are likely to decline from 2000 to 2010? The *Cumberland Valley Area Occupational Outlook to 2010* offers some insight into these often asked questions. Students, job seekers, counselors and others should find this report helpful.

This report contains highlights and a user's guide to occupational statistics that provide answers to frequently asked questions regarding the statistics. Also included are tables of the top 45 Cumberland Valley Area occupations with the most annual job openings and the 44 fastest-growing Cumberland Valley Area occupations. The Cumberland Valley Area Occupational Employment Outlook and Job Openings tables beginning on page 9 provides occupational employment projections for a variety of occupations. This table also presents, for each of these occupations, the number and percentage of expected change in employment and the average number of annual job openings for the period of 2000 to 2010.

While this study provides projections of occupational trends and job openings in the Cumberland Valley Area, it should be stressed that the estimates are subject to the limitations that are a part of any effort to determine future conditions. It is impossible to predict what the Cumberland Valley Area will look like in 2010. The projections of long-term trends into the future, however, should provide valuable insight into the likely magnitude of occupational growth or decline in the area. The projections have been carefully prepared using accepted methods within a framework of national, state and area assumptions. They will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2000 through 2010. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

With a projected tighter labor market resulting from Kentucky's labor force growing more slowly than employment, along with the structural and technological changes that are taking place in all industries, the development and utilization of our human resources have become a top priority for all those concerned with employment training. Education and training programs that can meet the needs of employers today and in the future will take on even greater importance. To meet this challenge, it is crucial that education and training planners, business, labor, government and job seekers have the necessary occupational information to assist them in making informed, intelligent decisions in the development of these education and training programs as well as individual career choice. This publication was designed to assist users in these tasks.

NOTE: These 2000-2010 projections use the new Standard Occupational Classification (SOC) system, while prior versions of projections used the Occupational Employment Statistics (OES) codes for classifying occupations. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different. Several major groups have been renamed, combined, or reorganized. Some individual occupations also have been renamed or classified within different major groups. Some occupations are no longer listed, while newer occupations are listed for the first time with the SOC system. Because of these changes, the 2000-2010 projections are not comparable with earlier sets of projections. Information of the SOC system can be obtained at the U.S. Bureau of Labor Statistics SOC Home Page at <http://www.bls.gov/soc/home.htm>.

HIGHLIGHTS

- ✓ Cumberland Valley Area employment is expected to grow from 83,513 to 98,270 between 2000 and 2010, a gain of 17.7 percent.
- ✓ Between 2000 and 2010, the total annual job openings are expected to be about 3,519.
- ✓ Growth in employment will make available about 1,476 job openings annually.
- ✓ Approximately 2,043 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Approximately 42 percent of job openings will result from growth, and the remaining 58 percent will result from separations from the labor force.
- ✓ The greatest number of job openings will be in the Sales and Related Occupations (484), followed by the Office and Administrative Support Occupations (389), and the Food Preparation and Serving Related Occupations (365).
- ✓ Particular Occupations with the largest percentage of change from 2000 to 2010 in the Cumberland Valley Area are Water, Liquid Waste Treatment Plant and System Operators (82%), Medical and Public Health Social Workers (79%), Medical Assistants (75%) and Respiratory Therapists (71%).
- ✓ The largest growth rates between 2000 and 2010 are expected to be in the Computer and Mathematical Occupations (56%), the Healthcare Support Occupations (53%), and the Healthcare Practitioners and Technical Occupations (47%).
- ✓ The top two Cumberland Valley Area occupations with the most annual job openings are Cashiers (214) and Retail Salespersons (148).

A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?

- 1) Total average annual job openings and
- 2) Employment change expressed as a percentage

The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.

What creates job openings?

- 1) Employment growth (new jobs)
- 2) Employment separations (job vacancies created by persons separating from an occupation)

What causes employment change?

Industrial growth or decline has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.

Technological change can raise the demand for some skills while eliminating the need for others. As this shift is going on, demand in the industry as a whole may be rising or falling.

New ways of doing business such as self-service, out-sourcing, or 24-hour operations can affect employment change.

Then what about employment separations?

Employment separations are still important when evaluating an occupation's potential outlook. Job openings are created by persons separating from an occupation because of retirements, promotions into different occupations, career changes, or deaths. In many instances, the number of employment separations exceeds new jobs.

Do workers tend to leave one occupation more than another?

Every occupation has a different rate of employment separations. Those occupations that require much education and training and/or have a high percentage of full-time workers tend to have low separation rates. But occupations that require little education and/or training tend to have higher separation rates.

What factors affect the number of job openings for an occupation?

- 1) The overall size of the occupation: How many workers are employed already?
- 2) The occupation's separation rate: How many job vacancies are created from workers separating from the occupation?
- 3) The occupation's rate of change: How fast is it growing or declining?

Which factor is more important?

Size of employment and separation rate are more important than rate of change in affecting the number of job openings.

What is the best way to compare one occupation with another?

- 1) Look at the total average annual job openings, not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.
- 2) Look at the employment change expressed as a percentage. A high percentage increase in employment means that there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
Cumberland Valley Area Occupations With The Most Annual Job Openings

		Job Openings		
		Average Annual		
		2000-2010		
Occupation Code	Occupational Title	Growth	Separations	Total
<u>Management Occupations</u>				
11-1021	General and Operations Managers	19	21	40
<u>Legal Occupations</u>				
23-1011	Lawyers	15	4	19
<u>Education, Training, and Library Occupations</u>				
25-9041	Teacher Assistants	30	29	59
25-2021	Elementary School Teachers, Ex. Special Education	15	32	47
25-2031	Secondary School Teachers, Ex. Special & Voc. Ed.	11	20	31
25-1194	Vocational Education Teachers, Postsecondary	11	6	17
<u>Healthcare Practitioners and Technical Occupations</u>				
29-1111	Registered Nurses	73	30	103
29-2061	Licensed Practical and Licensed Vocational Nurses	37	22	59
29-2041	Emergency Medical Technicians and Paramedics	14	6	20
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies, and Attendants	50	14	64
31-9092	Medical Assistants	19	7	26
31-1011	Home Health Aides	20	4	24
<u>Protective Service Occupations</u>				
33-9032	Security Guards	44	27	71
33-3012	Correctional Officers and Jailers	8	9	17
<u>Food Preparation and Serving Related Occupations</u>				
35-3021	Combined Food Prep. and Serving Workers	49	94	143
35-3031	Waiters and Waitresses	19	55	74
35-2021	Food Preparation Workers	8	20	28
35-2012	Cooks, Institution and Cafeteria	1	23	24
35-2014	Cooks, Restaurant	10	13	23
35-3011	Bartenders	3	17	20
<u>Building, Grounds Cleaning & Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping Cleaner	24	25	49
37-2012	Maids and Housekeeping Cleaners	23	21	44
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	42	62	104

Top 45
Cumberland Valley Area Occupations With The Most Annual Job Openings (cont'd)

		Job Openings		
		Average Annual		
		2000-2010		
Occupation Code	Occupational Title	Growth	Separations	Total
Sales and Related Occupations				
41-2011	Cashiers	58	156	214
41-2031	Retail Salespersons	62	86	148
41-1011	Supervisors of Retail Sales Workers	13	13	26
41-4012	Sales Reps, Wholesale & Manufacturing, Ex. Technical	4	14	18
Office and Administrative Support Occupations				
43-5081	Stock Clerks and Order Fillers	8	35	43
43-9061	Office Clerks, General	20	22	42
43-4171	Receptionists and Information Clerks	26	15	41
43-3031	Bookkeeping, Accounting, and Auditing Clerks	8	20	28
43-1011	Supervisors of Office and Administrative	11	12	23
43-3071	Tellers	0	22	22
43-4051	Customer Service Representatives	17	5	22
43-6014	Secretaries, Except Legal, Medical, and Executive	0	18	18
Construction and Extraction Occupations				
47-1011	Supervisors of Construction Trades and Extraction	3	18	21
47-2031	Carpenters	7	10	17
Installation, Maintenance, and Repair Occupations				
49-9042	Maintenance and Repair Workers, General	3	16	19
49-3023	Automotive Service Technicians and Mechanics	6	12	18
Production Occupations				
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	9	11	20
51-4072	Molding, Coremaking, Casting Machine Setter, Operator	7	11	18
Transportation and Material Moving Occupations				
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	45	55	100
53-3032	Truck Drivers, Heavy and Tractor-Trailer	13	20	33
53-3033	Truck Drivers, Light or Delivery Services	12	11	23
53-3022	Bus Drivers, School	1	18	19

**Top 45
Fast-Growing Cumberland Valley Area Occupations**

<u>Occupation Code</u>	<u>Occupational Title</u>	<u>Fast Growing Occupations</u>				<u>Total</u>
		<u>Employment</u>	<u>Change</u>	<u>Job Openings</u>		
		<u>Actual</u>	<u>Projected</u>	<u>2000-2010</u>	<u>Average Annual</u>	
		<u>2000</u>	<u>2010</u>	<u>Number</u>	<u>Percent</u>	<u>2000-2010</u>
<u>Management Occupations</u>						
11-9111	Medical and Health Services Managers	137	209	72	52.6	9
11-3021	Computer and Information Systems Managers	63	84	21	33.3	3
11-2021	Marketing Managers	62	82	20	32.3	3
<u>Computer and Mathematical Occupations</u>						
15-1071	Network and Computer Systems Administrators	53	85	32	60.4	3
15-1061	Database Administrators	31	49	18	58.1	2
15-1051	Computer Systems Analysts	61	84	23	37.7	3
<u>Community and Social Services Occupations</u>						
21-1022	Medical and Public Health Social Workers	102	183	81	79.4	9
21-1093	Social and Human Service Assistants	141	228	87	61.7	11
21-1023	Mental Health & Substance Abuse Social Work.	90	145	55	61.1	7
21-1012	Educational, Vocational, and School Counselors	111	145	34	30.6	5
<u>Education, Training, and Library Occupations</u>						
25-1194	Vocational Education Teachers, Postsecondary	227	339	112	49.3	17
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	32	44	12	37.5	1
25-2041	Special Ed. Teachers, Preschool to Elementary	202	270	68	33.7	10
25-9031	Instructional Coordinators	78	102	24	30.8	3
<u>Healthcare Practitioners and Technical Occupations</u>						
29-1126	Respiratory Therapists	68	116	48	70.6	7
29-2071	Medical Records & Health Information Tech.	89	142	53	59.6	7
29-2041	Emergency Medical Technicians & Paramedics	232	368	136	58.6	20
29-1123	Physical Therapists	73	113	40	54.8	6
29-1031	Dietitians and Nutritionists	39	59	20	51.3	3
29-2055	Surgical Technologists	36	54	18	50.0	3
29-1111	Registered Nurses	1,477	2,203	726	49.2	103
29-2052	Pharmacy Technicians	192	286	94	49.0	14
29-1051	Pharmacists	190	279	89	46.8	15
29-2061	Licensed Practical & Licensed Vocational Nurse	858	1,230	372	43.4	59
29-1127	Speech-Language Pathologists	85	119	34	40.0	5
29-2034	Radiologic Technologists and Technicians	128	175	47	36.7	8

Top 45
Fast-Growing Cumberland Valley Area Occupations (cont'd)

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment Actual	Projected	Change 2000-2010		Job Openings Average Annual
		2000	2010	Number	Percent	2000-2010
<u>Healthcare Support Occupations</u>						
31-9092	Medical Assistants	256	447	191	74.6	26
31-1011	Home Health Aides	293	495	202	68.9	24
31-1012	Nursing Aides, Orderlies, and Attendants	1,110	1,613	503	45.3	64
31-9094	Medical Transcriptionists	83	120	37	44.6	6
<u>Protective Service Occupations</u>						
33-9032	Security Guards	989	1,433	444	44.9	71
<u>Food Preparation and Serving Related Occupations</u>						
35-3021	Combined Food Prep. and Serving Workers	1,536	2,029	493	32.1	143
<u>Personal Care and Service Occupations</u>						
39-6021	Tour Guides and Escorts	54	71	17	31.5	4
<u>Office and Administrative Support Occupations</u>						
43-4111	Interviewers, Except Eligibility and Loan	78	121	43	55.1	6
43-6013	Medical Secretaries	243	354	111	45.7	15
43-4081	Hotel, Motel, and Resort Desk Clerks	170	235	65	38.2	14
43-4171	Receptionists and Information Clerks	669	924	255	38.1	41
43-4161	Human Res. Assist., Ex. Payroll & Timekeeping	62	82	20	32.3	3
43-4121	Library Assistants, Clerical	133	174	41	30.8	10
<u>Installation, Maintenance, and Repair Occupations</u>						
49-9095	Manufactured Building & Mobile Home Installers	111	153	42	37.8	6
<u>Production Occupations</u>						
51-8031	Water, Liquid Waste Treat. Plant & System Ops	38	69	31	81.6	4
51-6011	Laundry and Dry-Cleaning Workers	59	79	20	33.9	4
51-7041	Sawing Machine Setters, Operators & Tenders	268	354	86	32.1	20
<u>Transportation and Material Moving Occupations</u>						
53-1021	Supervisors, Helpers, Laborers, Material Moving	110	157	47	42.7	7
53-1031	Supervisors of Transportation & Material Moving	120	156	36	30.0	7

Explanation of Data Elements on the Occupational Outlook Table

Occupational Employment Outlook and Job Openings

Occupational		Employment 2000 2010		Job Growth 2000 2010		Average Annual Job Openings			Average Wage	Education/ Training Required *
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	
<p>• Occupational Codes and Titles used in this report are based on the <i>Standard Occupational Coding (SOC)</i> Structure.</p> <p>NOTE:</p> <p><i>Alphabetical listing beginning on page 34 should help locate a specific occupation within the tables.</i></p>		<p>• Estimated 2000 employment is based on the <i>Occupational Employment Statistics (OES)</i> Survey of employers.</p> <p>• Projected 2010 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2000 and 2010.</p> <p>NOTE:</p> <p><i>The Occupational employment estimates for 2000 to 2010 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</i></p>		<p>• Number - The total number of jobs in an occupation gained or lost over the 2000 to 2010 period.</p> <p>• Percent - Percent change in employment in an occupation over the ten year period.</p> <p>NOTE:</p> <p><i>In Kentucky, 16.0 percent job growth between 2000 and 2010 is the average growth for all occupations.</i></p> <p><i>An occupation is expected to experience:</i></p> <ol style="list-style-type: none"> 1) <i>average growth if percent change is between 12 to 18%;</i> 2) <i>very fast growth if > 30%;</i> 3) <i>fast growth if >18% < 30%;</i> 4) <i>slow growth if >5% <12%;</i> 5) <i>very slow growth if >0% <5%;</i> 6) <i>negative or declining growth <0%.</i> 		<p>• Growth openings provide estimates of the average number of job openings expected to occur each year between 2000 and 2010 that result from employment growth.</p> <p>• Separation openings provide estimates of the average number of job openings expected to occur each year in an occupation, resulting from workers separating or leaving the occupation for such reasons as retirement, promotion, or simply transferring among occupations. Such separations would require replacement workers.</p> <p>• Total openings provide estimates of the total number of job openings expected each year from employment growth or job separations.</p> <p>NOTE:</p> <p><i>If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.</i></p>			<p>• Average wage in this report always refers to the 2001 mean average hourly wage.</p> <p>NOTE</p> <p><i>Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5 and average hours worked per week was 40.</i></p>	<p>• Education and Training Levels Usually Required were developed by the Bureau of Labor Statistics and grouped into eleven levels (1-11).</p> <p>*NOTE</p> <p><i>The various levels are described in detail on page 33 of this report.</i></p>

Cumberland Valley Area

Management Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
00-0000 Total, All Occupations		83,513	98,270	14,757	17.7	1,476	2,043	3,519	n/a	n/a
11-0000 Management Occupations		5,947	6,391	444	7.5	44	97	141	n/a	n/a
11-1000	Top Executives	1,428	1,660	232	16.2	23	27	50	n/a	n/a
11-1011	Chief Executives	207	249	42	20.3	4	7	11	47.47	4
11-1021	General and Operations Managers	1,221	1,411	190	15.6	19	21	40	27.18	4
11-2000	Advertising, Marketing, Promotions, PR & Sales	167	224	57	34.1	6	2	8	n/a	n/a
11-2011	Advertising and Promotions Managers	*	*	*	*	*	*	*	20.68	4
11-2020	Marketing and Sales Managers	133	173	40	30.1	4	2	6	n/a	n/a
11-2021	Marketing Managers	62	82	20	32.3	2	1	3	28.42	4
11-2022	Sales Managers	71	91	20	28.2	2	1	3	31.81	4
11-3000	Operations Specialties Managers	757	866	109	14.4	11	14	25	n/a	n/a
11-3011	Administrative Services Managers	130	152	22	16.9	2	2	4	18.07	4
11-3021	Computer and Information Systems Managers	63	84	21	33.3	2	1	3	25.88	4
11-3031	Financial Managers	198	238	40	20.2	4	3	7	29.10	4
11-3040	Human Resources Managers	92	106	14	15.2	1	2	3	24.79	4
11-3051	Industrial Production Managers	129	132	3	2.3	0	2	2	24.77	5
11-3061	Purchasing Managers	76	77	1	1.3	0	2	2	25.26	4
11-3071	Transportation, Storage, and Distribution Managers	69	77	8	11.6	1	1	2	21.63	8
11-9000	Other Management Occupations	3,595	3,641	46	1.3	5	54	59	n/a	n/a
11-9010	Agricultural Managers	977	794	-183	-18.7	0	6	6	n/a	n/a
11-9012	Farmers and Ranchers	956	775	-181	-18.9	0	6	6	n/a	9
11-9021	Construction Managers	93	103	10	10.8	1	2	3	25.72	5
11-9030	Education Administrators	268	302	34	12.7	3	7	10	n/a	4
11-9031	Education Admin., Preschool and Child Care Center	*	*	*	*	*	*	*	17.89	4
11-9032	Education Admin., Elementary and Secondary School	201	223	22	10.9	2	5	7	n/a	4
11-9033	Education Administrators, Postsecondary	42	50	8	19.0	1	1	2	26.02	4
11-9041	Engineering Managers	82	70	-12	-14.6	0	1	1	35.20	4
11-9051	Food Service Managers	52	55	3	5.8	0	1	1	17.78	8
11-9081	Lodging Managers	*	*	*	*	*	*	*	14.51	8
11-9111	Medical and Health Services Managers	137	209	72	52.6	7	2	9	27.43	4
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	29.65	4
11-9131	Postmasters and Mail Superintendents	101	98	-3	-3.0	0	2	2	19.78	8
11-9141	Property, Real Estate & Community Assn Managers	*	*	*	*	*	*	*	25.14	5
11-9151	Social and Community Service Managers	57	74	17	29.8	2	1	3	24.53	5
11-9199	Managers, All Other	1,772	1,877	105	5.9	11	32	43	30.52	8

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Business & Financial Operations Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
13-0000 Business and Financial Operations Occupations		1,396	1,564	168	12.0	17	29	46	n/a	n/a
13-1000	Business Operations Specialists	806	894	88	10.9	9	19	28	n/a	n/a
13-1020	Buyers and Purchasing Agents	203	231	28	13.8	3	5	8	n/a	n/a
13-1021	Purchasing Agents and Buyers, Farm Products	*	*	*	*	*	*	*	16.77	8
13-1022	Wholesale and Retail Buyers, Except Farm Products	78	81	3	3.8	0	2	2	19.83	5
13-1023	Purchasing Agents, Ex. Wholesale, Retail & Farm Prod.	100	126	26	26.0	3	2	5	17.14	5
13-1051	Cost Estimators	58	67	9	15.5	1	1	2	16.96	5
13-1061	Emergency Management Specialists	*	*	*	*	*	*	*	18.24	8
13-1070	Human Resources, Training & Labor Relations Spec.	129	151	22	17.1	2	3	5	n/a	n/a
13-1072	Compensation, Benefits, and Job Analysis Specialists	*	*	*	*	*	*	*	16.46	5
13-1073	Training and Development Specialists	51	65	14	27.5	1	1	2	16.02	5
13-1111	Management Analysts	*	*	*	*	*	*	*	22.44	4
13-1199	Business Operations Specialists, All Other	215	225	10	4.7	1	6	7	17.75	5
13-2000	Financial Specialists	590	670	80	13.6	8	11	19	n/a	n/a
13-2011	Accountants and Auditors	256	298	42	16.4	4	4	8	18.81	5
13-2021	Appraisers and Assessors of Real Estate	*	*	*	*	*	*	*	33.77	n/a
13-2031	Budget Analysts	*	*	*	*	*	*	*	23.34	5
13-2061	Financial Examiners	35	43	8	22.9	1	1	2	13.78	5
13-2072	Loan Officers	170	179	9	5.3	1	3	4	20.71	5
13-2080	Tax Examiners, Collectors, Preparers, and Revenue	71	77	6	8.5	1	2	3	n/a	n/a
13-2082	Tax Preparers	43	46	3	7.0	0	1	1	8.71	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Computer & Mathematical Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
15-0000 Computer and Mathematical Occupations		745	1,163	418	56.1	42	5	47	n/a	n/a
15-1000	Computer Specialists	740	1,159	419	56.6	42	5	47	n/a	n/a
15-1021	Computer Programmers	57	56	-1	-1.8	0	1	1	26.64	5
15-1051	Computer Systems Analysts	61	84	23	37.7	2	1	3	25.89	5
15-1061	Database Administrators	31	49	18	58.1	2	0	2	20.31	5
15-1071	Network and Computer Systems Administrators	53	85	32	60.4	3	0	3	19.87	5
15-2000	Mathematical Scientists	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Architecture & Engineering Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
17-0000	Architecture and Engineering Occupations	669	680	11	1.6	1	14	15	n/a	n/a
17-1000	Architects, Surveyors, and Cartographers	62	66	4	6.5	0	2	2	n/a	n/a
17-1020	Surveyors, Cartographers, and Photogrammetrists	58	62	4	6.9	0	2	2	n/a	n/a
17-1022	Surveyors	31	31	0	0.0	0	1	1	19.75	5
17-2000	Engineers	327	323	-4	-1.2	0	6	6	n/a	n/a
17-2110	Industrial Engineers, Including Health and Safety	141	127	-14	-9.9	0	2	2	n/a	n/a
17-2111	Health & Safety Engineers, Ex. Mining Safety Engineers	*	*	*	*	*	*	*	19.55	5
17-2112	Industrial Engineers	132	119	-13	-9.8	0	2	2	27.42	5
17-2151	Mining and Geological Engineers, Inc. Mining Safety Eng	*	*	*	*	*	*	*	27.13	5
17-3000	Drafters, Engineering, and Mapping Technicians	280	291	11	3.9	1	7	8	n/a	n/a
17-3010	Drafters	56	65	9	16.1	1	2	3	n/a	n/a
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	15.74	7
17-3020	Engineering Technicians, Except Drafters	133	131	-2	-1.5	0	3	3	n/a	n/a
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	18.16	6
17-3031	Surveying and Mapping Technicians	41	48	7	17.1	1	1	2	11.61	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Life, Physical & Social Science Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
19-0000 Life, Physical, and Social Science Occupations		349	386	37	10.6	4	10	14	n/a	n/a
19-1000	Life Scientists	77	84	7	9.1	1	3	4	n/a	n/a
19-1030	Conservation Scientists and Foresters	50	55	5	10.0	1	2	3	n/a	n/a
19-1031	Conservation Scientists	*	*	*	*	*	*	*	24.60	5
19-2000	Physical Scientists	54	55	1	1.9	0	2	2	n/a	n/a
19-3000	Social Scientists and Related Workers	128	156	28	21.9	3	3	6	n/a	n/a
19-3031	Clinical, Counseling, and School Psychologists	66	84	18	27.3	2	2	4	21.64	3
19-3090	Miscellaneous Social Scientists and Related Workers	*	*	*	*	*	*	*	n/a	n/a
19-3091	Anthropologists and Archeologists	*	*	*	*	*	*	*	19.06	n/a
19-3093	Historians	*	*	*	*	*	*	*	24.05	n/a
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	*	*	*	22.02	3
19-4000	Life, Physical, and Social Science Technicians	90	91	1	1.1	0	3	3	n/a	n/a
19-4011	Agricultural and Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	15.53	6
19-4090	Misc. Life, Physical & Social Science Technicians	55	56	1	1.8	0	2	2	n/a	n/a
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	13.73	6

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Community & Social Services Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
21-0000	Community and Social Services Occupations	1,298	1,778	480	37.0	48	18	66	n/a	n/a
21-1000	Counselors, Social Workers & Other Community	1,165	1,612	447	38.4	45	16	61	n/a	n/a
21-1010	Counselors	254	373	119	46.9	12	5	17	n/a	n/a
21-1012	Educational, Vocational, and School Counselors	111	145	34	30.6	3	2	5	21.33	3
21-1020	Social Workers	729	958	229	31.4	23	8	31	n/a	n/a
21-1022	Medical and Public Health Social Workers	102	183	81	79.4	8	1	9	14.35	5
21-1023	Mental Health and Substance Abuse Social Workers	90	145	55	61.1	6	1	7	15.46	n/a
21-1090	Miscellaneous Community & Social Service Specialists	182	281	99	54.4	10	3	13	n/a	n/a
21-1091	Health Educators	*	*	*	*	*	*	*	15.84	3
21-1093	Social and Human Service Assistants	141	228	87	61.7	9	2	11	11.61	10
21-2000	Religious Workers	85	107	22	25.9	2	2	4	n/a	n/a
21-2011	Clergy	*	*	*	*	*	*	*	19.75	3
21-9000	Miscellaneous Counselors, Social, & Religious Workers	48	59	11	22.9	1	1	2	n/a	n/a
21-9099	Counselors, Social, and Religious Workers, All Other	48	59	11	22.9	1	1	2	11.79	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Legal Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
23-0000	Legal Occupations	806	983	177	22.0	18	6	24	n/a	n/a
23-1000	Lawyers, Judges, and Related Workers	640	789	149	23.3	15	5	20	n/a	n/a
23-1011	Lawyers	617	763	146	23.7	15	4	19	35.80	1
23-2000	Legal Support Workers	136	158	22	16.2	2	1	3	n/a	n/a
23-2011	Paralegals and Legal Assistants	89	110	21	23.6	2	1	3	16.82	6
23-2090	Miscellaneous Legal Support Workers	47	48	1	2.1	0	0	0	n/a	n/a
23-2092	Law Clerks	31	31	0	0.0	0	0	0	15.16	5
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	*	*	*	13.78	10
23-9000	Miscellaneous Legal & Related Workers	*	*	*	*	*	*	*	n/a	n/a
23-9099	Legal and Related Workers, All Other	*	*	*	*	*	*	*	15.29	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Education, Training & Library Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010			Wage	Training
				Number	Percent	Growth	Separations	Total	2001	Req'd~
25-0000 Education, Training, and Library Occupations		6,574	7,836	1,262	19.2	126	139	265	n/a	n/a
25-1000	Postsecondary Teachers	564	759	195	34.6	20	16	36	n/a	n/a
25-1020	Math and Computer Teachers, Postsecondary	39	49	10	25.6	1	1	2	n/a	n/a
25-1070	Health Teachers, Postsecondary	32	42	10	31.3	1	1	2	n/a	n/a
25-1120	Arts, Communications & Humanities Teachers, Postsec	44	54	10	22.7	1	1	2	n/a	n/a
25-1190	Miscellaneous Postsecondary Teachers	361	504	143	39.6	14	10	24	n/a	n/a
25-1194	Vocational Education Teachers, Postsecondary	227	339	112	49.3	11	6	17	17.83	8
25-2000	Primary, Secondary & Special Ed. School Teachers	3,246	3,746	500	15.4	50	72	122	n/a	n/a
25-2010	Preschool and Kindergarten Teachers	376	468	92	24.5	9	5	14	n/a	n/a
25-2011	Preschool Teachers, Except Special Education	317	403	86	27.1	9	4	13	10.16	5
25-2012	Kindergarten Teachers, Except Special Education #	59	65	6	10.2	1	1	2	24.20	5
25-2020	Elementary and Middle School Teachers	1,783	1,966	183	10.3	18	41	59	n/a	n/a
25-2021	Elementary School Teachers, Ex. Special Education #	1,406	1,560	154	11.0	15	32	47	23.44	5
25-2022	Middle School Teachers, Ex. Special & Vocational Ed. #	377	406	29	7.7	3	9	12	24.42	5
25-2030	Secondary School Teachers	699	817	118	16.9	12	21	33	n/a	n/a
25-2031	Secondary School Teachers, Ex. Special & Voc. Ed. #	661	775	114	17.2	11	20	31	24.66	5
25-2032	Vocational Education Teachers, Secondary School #	38	42	4	10.5	0	1	1	26.95	5
25-2040	Special Education Teachers	388	495	107	27.6	11	5	16	n/a	n/a
25-2041	Special Ed. Teachers, Preschool to Elementary #	202	270	68	33.7	7	3	10	23.86	5
25-2042	Special Education Teachers, Middle School #	85	103	18	21.2	2	1	3	23.06	5
25-2043	Special Education Teachers, Secondary School #	101	122	21	20.8	2	1	3	24.14	5
25-3000	Other Teachers and Instructors	788	928	140	17.8	14	8	22	n/a	n/a
25-3011	Adult Literacy, Remedial Education & GED Teachers	32	44	12	37.5	1	0	1	13.54	5
25-3999	Teachers, Primary, Secondary, and Adult, All Other #	694	816	122	17.6	12	7	19	15.61	5
25-4000	Librarians, Curators, and Archivists	502	603	101	20.1	10	14	24	n/a	n/a
25-4021	Librarians	336	395	59	17.6	6	7	13	11.04	3
25-4031	Library Technicians	166	208	42	25.3	4	7	11	6.10	11
25-9000	Other Education, Training, and Library Occupations	1,474	1,800	326	22.1	33	30	63	n/a	n/a
25-9031	Instructional Coordinators	78	102	24	30.8	2	1	3	20.76	3
25-9041	Teacher Assistants #	1,365	1,662	297	21.8	30	29	59	10.47	11
25-9199	Library, Museum, Training & Other Ed. Workers, All Other	*	*	*	*	*	*	*	16.99	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

Cumberland Valley Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
27-0000	Arts, Design, Entertainment, Sports & Media Occupations	345	366	21	6.1	2	6	8	n/a	n/a
27-1000	Art and Design Workers	140	158	18	12.9	2	2	4	n/a	n/a
27-1020	Designers	121	136	15	12.4	2	1	3	n/a	n/a
27-1027	Set and Exhibit Designers	*	*	*	*	*	*	*	19.06	5
27-2000	Entertainers and Performers, Sports & Related Workers	*	*	*	*	*	*	*	n/a	n/a
27-3000	Media and Communication Workers	179	180	1	0.6	0	4	4	n/a	n/a
27-3010	Announcers	89	76	-13	-14.6	0	1	1	6.60	9
27-3020	News Analysts, Reporters and Correspondents	*	*	*	*	*	*	*	9.59	9
27-3031	Public Relations Specialists	34	43	9	26.5	1	1	2	17.08	5
27-3040	Writers and Editors	32	37	5	15.6	1	1	2	n/a	n/a
27-3041	Editors	*	*	*	*	*	*	*	13.50	5
27-3090	Miscellaneous Media and Communication Workers	*	*	*	*	*	*	*	n/a	n/a
27-3099	Media and Communication Workers, All Other	*	*	*	*	*	*	*	19.06	9
27-4000	Media and Communication Equipment Workers	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Healthcare Practitioners & Technical Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
29-0000 Healthcare Practitioners and Technical Occupations		4,531	6,667	2,136	47.1	214	101	315	n/a	n/a
29-1000	Health Diagnosing and Treating Practitioners	2,398	3,540	1,142	47.6	114	50	164	n/a	n/a
29-1031	Dietitians and Nutritionists	39	59	20	51.3	2	1	3	22.07	5
29-1051	Pharmacists	190	279	89	46.8	9	6	15	36.48	1
29-1060	Physicians and Surgeons	218	321	103	47.2	10	3	13	n/a	1
29-1062	Family and General Practitioners	*	*	*	*	*	*	*	60.25	1
29-1111	Registered Nurses	1,477	2,203	726	49.2	73	30	103	18.45	6
29-1120	Therapists	266	406	140	52.6	14	7	21	n/a	n/a
29-1122	Occupational Therapists	*	*	*	*	*	*	*	28.93	5
29-1123	Physical Therapists	73	113	40	54.8	4	2	6	25.65	3
29-1125	Recreational Therapists	*	*	*	*	*	*	*	9.51	5
29-1126	Respiratory Therapists	68	116	48	70.6	5	2	7	14.35	6
29-1127	Speech-Language Pathologists	85	119	34	40.0	3	2	5	23.35	3
29-1131	Veterinarians	*	*	*	*	*	*	*	30.33	1
29-2000	Health Technologists and Technicians	1,898	2,795	897	47.3	90	47	137	n/a	n/a
29-2010	Clinical Laboratory Technologists and Technicians	140	180	40	28.6	4	3	7	n/a	n/a
29-2011	Medical and Clinical Laboratory Technologists	82	106	24	29.3	2	2	4	16.92	5
29-2012	Medical and Clinical Laboratory Technicians	58	74	16	27.6	2	1	3	12.76	6
29-2030	Diagnostic Related Technologists and Technicians	160	223	63	39.4	6	4	10	n/a	n/a
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	18.28	6
29-2034	Radiologic Technologists and Technicians	128	175	47	36.7	5	3	8	14.85	6
29-2041	Emergency Medical Technicians and Paramedics	232	368	136	58.6	14	6	20	9.05	7
29-2050	Health Diagnosing & Treating Practitioner Support Tech.	374	570	196	52.4	20	10	30	n/a	n/a
29-2052	Pharmacy Technicians	192	286	94	49.0	9	5	14	8.77	10
29-2055	Surgical Technologists	36	54	18	50.0	2	1	3	11.99	7
29-2061	Licensed Practical and Licensed Vocational Nurses	858	1,230	372	43.4	37	22	59	10.49	7
29-2071	Medical Records and Health Information Technicians	89	142	53	59.6	5	2	7	10.75	6
29-9000	Other Healthcare Practitioners, Technical Occupations	235	332	97	41.3	10	3	13	n/a	n/a
29-9010	Occupational Health and Safety Specialists & Techs.	116	126	10	8.6	1	3	4	25.40	5
29-9090	Miscellaneous Health Practitioners & Technical Workers	119	206	87	73.1	9	0	9	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Healthcare Support Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010 Growth Separations Total				
31-0000 Healthcare Support Occupations		2,021	3,087	1,066	52.7	107	34	141	n/a	n/a
31-1000	Nursing, Psychiatric, and Home Health Aides	1,403	2,108	705	50.2	71	18	89	n/a	n/a
31-1010	Nursing, Psychiatric, and Home Health Aides	1,403	2,108	705	50.2	71	18	89	n/a	n/a
31-1011	Home Health Aides	293	495	202	68.9	20	4	24	8.06	11
31-1012	Nursing Aides, Orderlies, and Attendants	1,110	1,613	503	45.3	50	14	64	8.18	11
31-2000	Occupational, Physical Therapist Assistants and Aides	44	71	27	61.4	3	1	4	n/a	n/a
31-2020	Physical Therapist Assistants and Aides	42	67	25	59.5	3	1	4	n/a	n/a
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	7.68	11
31-9000	Other Healthcare Support Occupations	574	908	334	58.2	33	15	48	n/a	n/a
31-9090	Miscellaneous Healthcare Support Occupations	574	908	334	58.2	33	15	48	n/a	n/a
31-9092	Medical Assistants	256	447	191	74.6	19	7	26	16.43	10
31-9094	Medical Transcriptionists	83	120	37	44.6	4	2	6	10.93	7
31-9095	Pharmacy Aides	73	83	10	13.7	1	2	3	6.93	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Protective Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
33-0000 Protective Service Occupations		1,764	2,375	611	34.6	61	48	109	n/a	n/a
33-1000	Supervisors, Protective Service Workers	95	114	19	20.0	2	3	5	n/a	n/a
33-1010	Supervisors, Law Enforcement Workers	51	64	13	25.5	1	1	2	n/a	n/a
33-1099	Supervisors, Protective Service Workers	38	43	5	13.2	1	1	2	18.18	8
33-2000	Fire Fighting and Prevention Workers	43	50	7	16.3	1	1	2	n/a	n/a
33-2011	Fire Fighters	*	*	*	*	*	*	*	9.30	9
33-3000	Law Enforcement Workers	582	710	128	22.0	13	13	26	n/a	n/a
33-3012	Correctional Officers and Jailers	351	432	81	23.1	8	9	17	12.00	10
33-3050	Police Officers	190	228	38	20.0	4	4	8	n/a	n/a
33-9000	Other Protective Service Workers	1,044	1,501	457	43.8	46	31	77	n/a	n/a
33-9032	Security Guards	989	1,433	444	44.9	44	27	71	6.63	11
33-9090	Miscellaneous Protective Service Workers	33	40	7	21.2	1	3	4	n/a	n/a
33-9099	Protective Service Workers, All Other	31	38	7	22.6	1	2	3	14.78	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Food Preparation & Serving Related Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
35-0000 Food Preparation and Serving Related Occupations		5,990	6,981	991	16.5	99	266	365	n/a	n/a
35-1000	Supervisors, Food Preparation and Serving Workers	625	698	73	11.7	7	18	25	n/a	n/a
35-1010	Supervisors, Food Preparation and Serving Workers	625	698	73	11.7	7	18	25	n/a	n/a
35-1012	Supervisors of Food Preparation and Serving Workers	303	339	36	11.9	4	8	12	10.44	8
35-2000	Cooks and Food Preparation Workers	1,883	2,076	193	10.2	19	59	78	n/a	n/a
35-2010	Cooks	1,355	1,472	117	8.6	12	39	51	n/a	n/a
35-2011	Cooks, Fast Food	41	44	3	7.3	0	1	1	7.30	11
35-2012	Cooks, Institution and Cafeteria	794	803	9	1.1	1	23	24	7.57	9
35-2014	Cooks, Restaurant	456	553	97	21.3	10	13	23	6.83	9
35-2015	Cooks, Short Order	63	71	8	12.7	1	2	3	7.16	11
35-2021	Food Preparation Workers	528	604	76	14.4	8	20	28	7.21	11
35-3000	Food and Beverage Serving Workers	3,143	3,897	754	24.0	75	177	252	n/a	n/a
35-3011	Bartenders	418	444	26	6.2	3	17	20	7.92	11
35-3020	Fast Food and Counter Workers	1,601	2,107	506	31.6	51	99	150	n/a	n/a
35-3021	Combined Food Prep. and Serving Workers	1,536	2,029	493	32.1	49	94	143	6.12	11
35-3022	Counter Attendants, Cafeteria, Food Concession	65	78	13	20.0	1	5	6	7.29	11
35-3031	Waiters and Waitresses	975	1,163	188	19.3	19	55	74	6.13	11
35-3041	Food Servers, Nonrestaurant	149	183	34	22.8	3	7	10	6.93	11
35-9000	Other Food Preparation and Serving Related Workers	339	310	-29	-8.6	0	12	12	n/a	n/a
35-9021	Dishwashers	218	189	-29	-13.3	0	8	8	6.26	11
35-9031	Hosts and Hostesses, Restaurant, Lounge	73	80	7	9.6	1	2	3	7.06	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
37-0000	Building, Grounds Cleaning & Maintenance Occupations	2,787	3,296	509	18.3	51	56	107	n/a	n/a
37-1000	Supervisors, Building, Grounds Cleaning & Maintenance	114	123	9	7.9	1	2	3	n/a	n/a
37-1010	Supervisors, Building and Grounds Cleaning	114	123	9	7.9	1	2	3	n/a	n/a
37-1011	Supervisors of Housekeeping and Janitors	71	80	9	12.7	1	2	3	12.69	8
37-1012	Supervisors of Landscaping, Lawn Service	43	43	0	0.0	0	0	0	15.26	8
37-2000	Building Cleaning and Pest Control Workers	2,395	2,865	470	19.6	47	47	94	n/a	n/a
37-2010	Building Cleaning Workers	2,360	2,822	462	19.6	46	46	92	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping Cleaner	1,393	1,628	235	16.9	24	25	49	7.58	11
37-2012	Maids and Housekeeping Cleaners	967	1,194	227	23.5	23	21	44	6.83	11
37-3000	Grounds Maintenance Workers	247	276	29	11.7	3	6	9	n/a	n/a
37-3010	Grounds Maintenance Workers	247	276	29	11.7	3	6	9	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	163	193	30	18.4	3	4	7	9.33	11
37-9000	Misc. Building & Grounds Cleaning & Maintenance Work	31	32	1	3.2	0	1	1	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Personal Care & Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
39-0000	Personal Care and Service Occupations	2,775	3,481	706	25.4	71	86	157	n/a	n/a
39-1000	Supervisors, Personal Care and Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-1021	Supervisors of Personal Service Workers	*	*	*	*	*	*	*	10.70	8
39-2000	Animal Care and Service Workers	221	265	44	19.9	4	5	9	n/a	n/a
39-3000	Entertainment Attendants and Related Workers	86	118	32	37.2	3	5	8	n/a	n/a
39-3090	Misc. Entertainment Attendants and Related Workers	36	50	14	38.9	1	1	2	n/a	n/a
39-3091	Amusement and Recreation Attendants	*	*	*	*	*	*	*	6.65	11
39-4000	Funeral Service Workers	98	106	8	8.2	1	2	3	n/a	n/a
39-5000	Personal Appearance Workers	90	93	3	3.3	0	2	2	n/a	n/a
39-5010	Barbers and Cosmetologists	89	92	3	3.4	0	2	2	n/a	n/a
39-5012	Hairdressers, Hairstylists, and Cosmetologists	87	90	3	3.4	0	2	2	10.42	7
39-6000	Transportation, Tourism, and Lodging Attendants	54	71	17	31.5	2	2	4	n/a	n/a
39-6021	Tour Guides and Escorts	54	71	17	31.5	2	2	4	7.00	n/a
39-9000	Other Personal Care and Service Workers	2,215	2,813	598	27.0	60	70	130	n/a	n/a
39-9011	Child Care Workers	1,837	2,259	422	23.0	42	62	104	7.04	11
39-9030	Recreation and Fitness Workers	226	290	64	28.3	6	5	11	n/a	n/a
39-9032	Recreation Workers	217	279	62	28.6	6	5	11	9.51	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Sales and Related Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
41-0000 Sales and Related Occupations		8,780	10,520	1,740	19.8	174	310	484	n/a	n/a
41-1000	Supervisors, Sales Workers	1,018	1,167	149	14.6	15	15	30	n/a	n/a
41-1010	Supervisors, Sales Workers	1,018	1,167	149	14.6	15	15	30	n/a	n/a
41-1011	Supervisors of Retail Sales Workers	931	1,065	134	14.4	13	13	26	11.50	8
41-1012	Supervisors of Non-Retail Sales Workers	87	102	15	17.2	2	1	3	18.59	8
41-2000	Retail Sales Workers	6,073	7,268	1,195	19.7	120	256	376	n/a	n/a
41-2011	Cashiers	3,441	4,025	584	17.0	58	156	214	6.87	11
41-2020	Counter and Rental Clerks and Parts Salespersons	379	369	-10	-2.6	0	14	14	n/a	n/a
41-2021	Counter and Rental Clerks	159	153	-6	-3.8	0	7	7	6.07	11
41-2022	Parts Salespersons	220	216	-4	-1.8	0	7	7	10.85	10
41-2031	Retail Salespersons	2,253	2,874	621	27.6	62	86	148	9.05	11
41-3000	Sales Representatives, Services	392	414	22	5.6	2	9	11	n/a	n/a
41-3011	Advertising Sales Agents	45	48	3	6.7	0	1	1	9.13	10
41-4000	Sales Representatives, Wholesale and Manufacturing	553	595	42	7.6	4	15	19	n/a	n/a
41-4010	Sales Representatives, Wholesale and Manufacturing	553	595	42	7.6	4	15	19	n/a	n/a
41-4011	Sales Reps, Wholesale and Manufacturing, Technical	40	41	1	2.5	0	1	1	23.56	10
41-4012	Sales Reps, Wholesale & Manufacturing, Ex. Technical	513	554	41	8.0	4	14	18	17.19	10
41-9000	Other Sales and Related Workers	744	1,076	332	44.6	33	15	48	n/a	n/a
41-9022	Real Estate Sales Agents	*	*	*	*	*	*	*	21.92	7
41-9090	Miscellaneous Sales and Related Workers	101	127	26	25.7	3	2	5	n/a	n/a
41-9099	Sales and Related Workers, All Other	99	124	25	25.3	3	2	5	12.44	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Office & Administrative Support Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010			Wage 2001	Training Req'd~
						Growth	Separations	Total		
43-0000 Office and Administrative Support Occupations		11,449	12,781	1,332	11.6	133	256	389	n/a	n/a
43-1000	Supervisors, Office & Administrative Support Workers	642	747	105	16.4	11	12	23	n/a	n/a
43-1011	Supervisors of Office and Administrative	642	747	105	16.4	11	12	23	16.04	8
43-2000	Communications Equipment Operators	72	62	-10	-13.9	0	2	2	n/a	n/a
43-2011	Switchboard Operators, Including Answering Service	70	61	-9	-12.9	0	2	2	8.65	11
43-3000	Financial Clerks	2,218	2,371	153	6.9	15	60	75	n/a	n/a
43-3011	Bill and Account Collectors	128	161	33	25.8	3	3	6	10.61	11
43-3021	Billing and Posting Clerks and Machine Operators	376	435	59	15.7	6	9	15	9.15	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,070	1,146	76	7.1	8	20	28	10.26	10
43-3051	Payroll and Timekeeping Clerks	173	159	-14	-8.1	0	5	5	11.55	11
43-3061	Procurement Clerks	*	*	*	*	*	*	*	11.11	11
43-3071	Tellers	452	451	-1	-0.2	0	22	22	10.04	11
43-4000	Information and Record Clerks	2,212	2,803	591	26.7	59	45	104	n/a	n/a
43-4051	Customer Service Representatives	583	748	165	28.3	17	5	22	10.21	10
43-4071	File Clerks	78	88	10	12.8	1	3	4	8.18	11
43-4081	Hotel, Motel, and Resort Desk Clerks	170	235	65	38.2	7	7	14	7.25	11
43-4111	Interviewers, Except Eligibility and Loan	78	121	43	55.1	4	2	6	9.66	11
43-4121	Library Assistants, Clerical	133	174	41	30.8	4	6	10	7.45	11
43-4131	Loan Interviewers and Clerks	100	80	-20	-20.0	0	1	1	9.60	11
43-4141	New Accounts Clerks	50	56	6	12.0	1	1	2	10.30	8
43-4151	Order Clerks	142	122	-20	-14.1	0	3	3	7.85	11
43-4161	Human Resources Assist., Ex. Payroll and Timekeeping	62	82	20	32.3	2	1	3	10.87	11
43-4171	Receptionists and Information Clerks	669	924	255	38.1	26	15	41	7.85	11
43-4999	Financial, Information, and Record Clerks, All Other	102	123	21	20.6	2	1	3	10.75	11
43-5000	Material Record, Schedule, Dispatch & Distribute	2,171	2,343	172	7.9	17	62	79	n/a	n/a
43-5021	Couriers and Messengers	44	46	2	4.5	0	1	1	10.30	11
43-5030	Dispatchers	145	181	36	24.8	4	2	6	n/a	n/a
43-5031	Police, Fire, and Ambulance Dispatchers	58	73	15	25.9	2	1	3	9.89	10
43-5032	Dispatchers, Except Police, Fire, and Ambulance	87	108	21	24.1	2	2	4	12.66	10
43-5041	Meter Readers, Utilities	46	31	-15	-32.6	0	1	1	13.98	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Office & Administrative Support Occs. (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
43-5050	Postal Service Workers	436	421	-15	-3.4	0	12	12	n/a	n/a
43-5051	Postal Service Clerks	71	68	-3	-4.2	0	2	2	17.94	11
43-5052	Postal Service Mail Carriers	247	239	-8	-3.2	0	8	8	17.63	11
43-5053	Postal Service Mail Sorter, Processor, Processing Mach.	118	114	-4	-3.4	0	3	3	11.81	11
43-5061	Production, Planning, and Expediting Clerks	105	116	11	10.5	1	2	3	12.54	11
43-5071	Shipping, Receiving, and Traffic Clerks	320	369	49	15.3	5	7	12	10.07	11
43-5081	Stock Clerks and Order Fillers	995	1,077	82	8.2	8	35	43	9.44	11
43-5111	Weigher, Measurer, Checker & Sampler, Recordkeeping	75	94	19	25.3	2	2	4	10.64	11
43-6000	Secretaries and Administrative Assistants	1,893	2,051	158	8.3	16	32	48	n/a	n/a
43-6010	Secretaries and Administrative Assistants	1,893	2,051	158	8.3	16	32	48	n/a	n/a
43-6011	Executive Secretaries and Administrative Assistants	526	563	37	7.0	4	9	13	12.68	10
43-6013	Medical Secretaries	243	354	111	45.7	11	4	15	9.53	7
43-6014	Secretaries, Except Legal, Medical, and Executive	1,028	1,024	-4	-0.4	0	18	18	10.51	10
43-9000	Other Office and Administrative Support Workers	2,241	2,404	163	7.3	16	43	59	n/a	n/a
43-9011	Computer Operators	*	*	*	*	*	*	*	11.64	10
43-9020	Data Entry and Information Processing Workers	743	712	-31	-4.2	0	12	12	n/a	n/a
43-9021	Data Entry Keyers	717	690	-27	-3.8	0	11	11	7.16	10
43-9061	Office Clerks, General	1,136	1,338	202	17.8	20	22	42	8.95	11
43-9999	Secretaries, Administrative Assist. & Other Office Support	65	65	0	0.0	0	1	1	12.95	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Farming, Fishing & Forestry Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
45-0000	Farming, Fishing, and Forestry Occupations	536	573	37	6.9	4	14	18	n/a	n/a
45-1000	Supervisors, Farming, Fishing, and Forestry Workers	41	40	-1	-2.4	0	0	0	n/a	n/a
45-1010	Supervisors of Farming, Fishing, and Forestry	41	40	-1	-2.4	0	0	0	n/a	n/a
45-2000	Agricultural Workers	160	154	-6	-3.8	0	5	5	n/a	n/a
45-2090	Miscellaneous Agricultural Workers	148	144	-4	-2.7	0	5	5	n/a	n/a
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-3000	Fishing and Hunting Workers	82	94	12	14.6	1	3	4	n/a	n/a
45-3010	Fishers and Related Fishing Workers	82	94	12	14.6	1	3	4	n/a	n/a
45-4000	Forest, Conservation, and Logging Workers	196	210	14	7.1	1	4	5	n/a	n/a
45-4011	Forest and Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4020	Logging Workers	175	197	22	12.6	2	3	5	n/a	n/a
45-4022	Logging Equipment Operators	93	108	15	16.1	2	2	4	11.42	10
45-9000	Other Farming, Fishing, and Forestry Workers	57	75	18	31.6	2	2	4	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Construction & Extraction Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
47-0000 Construction and Extraction Occupations		5,227	5,416	189	3.6	19	107	126	n/a	n/a
47-1000	Supervisors, Construction and Extraction Workers	766	792	26	3.4	3	18	21	n/a	n/a
47-1011	Supervisors of Construction Trades and Extraction	766	792	26	3.4	3	18	21	20.24	8
47-2000	Construction Trades Workers	3,439	3,724	285	8.3	29	55	84	n/a	n/a
47-2020	Brickmasons, Blockmasons, and Stonemasons	224	255	31	13.8	3	4	7	n/a	n/a
47-2031	Carpenters	591	665	74	12.5	7	10	17	13.65	9
47-2040	Carpet, Floor, and Tile Installers and Finishers	193	220	27	14.0	3	3	6	n/a	n/a
47-2050	Cement Masons, Concrete Finishers & Terrazzo Workers	166	187	21	12.7	2	1	3	n/a	n/a
47-2051	Cement Masons and Concrete Finishers	165	186	21	12.7	2	1	3	15.33	9
47-2061	Construction Laborers	685	743	58	8.5	6	6	12	11.29	10
47-2070	Construction Equipment Operators	525	511	-14	-2.7	0	11	11	n/a	n/a
47-2073	Operating Engineers & Other Construction Equip. Ops.	415	369	-46	-11.1	0	9	9	14.36	10
47-2080	Drywall Installers, Ceiling Tile Installers, and Tapers	112	123	11	9.8	1	1	2	n/a	n/a
47-2111	Electricians	406	468	62	15.3	6	8	14	18.33	9
47-2140	Painters and Paperhangers	114	135	21	18.4	2	2	4	n/a	n/a
47-2141	Painters, Construction and Maintenance	49	61	12	24.5	1	1	2	10.07	10
47-2150	Pipelayers, Plumbers, Pipefitters, and Steamfitters	146	125	-21	-14.4	0	3	3	n/a	n/a
47-2151	Pipelayers	34	25	-9	-26.5	0	1	1	13.46	10
47-2152	Plumbers, Pipefitters, and Steamfitters	112	100	-12	-10.7	0	2	2	15.00	9
47-3000	Helpers, Construction Trades	67	72	5	7.5	1	3	4	n/a	n/a
47-3010	Helpers, Construction Trades	67	72	5	7.5	1	3	4	n/a	n/a
47-4000	Other Construction and Related Workers	205	195	-10	-4.9	0	3	3	n/a	n/a
47-5000	Extraction Workers	750	633	-117	-15.6	0	28	28	n/a	n/a
47-5021	Earth Drillers, Except Oil and Gas	35	43	8	22.9	1	1	2	15.95	10
47-5031	Explosives Worker, Ordnance Handling Expert & Blaster	*	*	*	*	*	*	*	14.00	n/a
47-5040	Mining Machine Operators	252	209	-43	-17.1	0	9	9	n/a	n/a
47-5041	Continuous Mining Machine Operators	238	197	-41	-17.2	0	8	8	15.11	10
47-5061	Roof Bolters, Mining	180	152	-28	-15.6	0	6	6	14.83	n/a
47-5081	Helpers--Extraction Workers	188	148	-40	-21.3	0	9	9	13.67	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
49-0000 Installation, Maintenance, and Repair Occupations		4,098	4,519	421	10.3	42	88	130	n/a	n/a
49-1000	Supervisors of Installation, Maintenance & Repair Work	331	382	51	15.4	5	9	14	n/a	n/a
49-1011	Supervisors of Mechanics, Installers & Repair Workers	331	382	51	15.4	5	9	14	19.75	8
49-2000	Electrical and Electronic Equip. Mechanics, Installers	188	205	17	9.0	2	3	5	n/a	n/a
49-2011	Computer, Automated Teller & Office Machine Repairers	90	116	26	28.9	3	1	4	11.78	7
49-2022	Telecommunications Equip. Installers & Repairers	*	*	*	*	*	*	*	20.15	7
49-2090	Miscellaneous Electrical and Electronic Equipment	74	73	-1	-1.4	0	2	2	n/a	n/a
49-3000	Vehicle and Mobile Equipment Mechanics, Installers	1,275	1,408	133	10.4	13	34	47	n/a	n/a
49-3020	Automotive Technicians and Repairers	503	570	67	13.3	7	12	19	n/a	n/a
49-3023	Automotive Service Technicians and Mechanics	491	552	61	12.4	6	12	18	8.52	7
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	255	308	53	20.8	5	7	12	13.58	7
49-3040	Heavy Vehicle & Mobile Equip. Service Technicians	287	298	11	3.8	1	7	8	n/a	n/a
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	238	260	22	9.2	2	6	8	16.19	7
49-3050	Small Engine Mechanics	57	63	6	10.5	1	1	2	n/a	n/a
49-3090	Misc. Vehicle and Mobile Equipment Mechanic, Installer	170	167	-3	-1.8	0	7	7	n/a	n/a
49-9000	Other Installation, Maintenance & Repair Occupations	2,304	2,524	220	9.5	22	43	65	n/a	n/a
49-9021	Heating, Air Conditioning & Refrigeration Mechanics	117	143	26	22.2	3	1	4	9.60	9
49-9040	Indust. Machinery Installation, Repair & Maintenance	1,563	1,631	68	4.4	7	25	32	n/a	n/a
49-9041	Industrial Machinery Mechanics	216	255	39	18.1	4	6	10	15.42	9
49-9042	Maintenance and Repair Workers, General	1,232	1,262	30	2.4	3	16	19	12.44	9
49-9043	Maintenance Workers, Machinery	106	103	-3	-2.8	0	3	3	11.60	9
49-9050	Line Installers and Repairers	169	147	-22	-13.0	0	5	5	n/a	n/a
49-9051	Electrical Power-Line Installers and Repairers	96	89	-7	-7.3	0	3	3	22.26	9
49-9052	Telecommunications Line Installers and Repairers	73	58	-15	-20.5	0	1	1	15.91	9
49-9060	Precision Instrument and Equipment Repairers	32	31	-1	-3.1	0	1	1	n/a	n/a
49-9062	Medical Equipment Repairers	*	*	*	*	*	*	*	13.39	10
49-9090	Misc. Installation, Maintenance & Repair Workers	411	559	148	36.0	15	11	26	n/a	n/a
49-9095	Manufactured Building and Mobile Home Installers	111	153	42	37.8	4	2	6	10.66	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Production Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
51-0000 Production Occupations		7,648	8,611	963	12.6	96	166	262	n/a	n/a
51-1000	Supervisors, Production Workers	475	513	38	8.0	4	13	17	n/a	n/a
51-1011	Supervisors of Production and Operating	475	513	38	8.0	4	13	17	16.44	8
51-2000	Assemblers and Fabricators	1,286	1,732	446	34.7	45	23	68	n/a	n/a
51-2020	Electrical, Electronics & Electromechanical Assemblers	119	128	9	7.6	1	3	4	n/a	n/a
51-2090	Miscellaneous Assemblers and Fabricators	1,148	1,579	431	37.5	43	20	63	n/a	n/a
51-2099	Assemblers and Fabricators, All Other	212	279	67	31.6	7	4	11	8.57	10
51-3000	Food Processing Workers	453	599	146	32.2	15	9	24	n/a	n/a
51-3011	Bakers	*	*	*	*	*	*	*	11.32	9
51-3020	Butchers, Other Meat, Poultry & Fish Processing Worker	59	49	-10	-16.9	0	1	1	n/a	n/a
51-3021	Butchers and Meat Cutters	54	43	-11	-20.4	0	1	1	12.49	9
51-3090	Miscellaneous Food Processing Workers	129	182	53	41.1	5	3	8	n/a	n/a
51-4000	Metal Workers and Plastic Workers	1,364	1,546	182	13.3	18	33	51	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators	*	*	*	*	*	*	*	13.90	9
51-4020	Forming Machine Setters, Operators, and Tenders	88	87	-1	-1.1	0	3	3	n/a	n/a
51-4030	Machine Tool Cutting Setters, Operators, and Tenders	172	209	37	21.5	4	5	9	n/a	n/a
51-4041	Machinists	126	138	12	9.5	1	3	4	11.92	9
51-4072	Molding, Coremaking, Casting Machine Setter, Operator	516	584	68	13.2	7	11	18	8.43	10
51-4111	Tool and Die Makers	67	73	6	9.0	1	2	3	18.19	9
51-4120	Welding, Soldering, and Brazing Workers	316	363	47	14.9	5	9	14	n/a	n/a
51-4121	Welders, Cutters, Solderers, and Brazers	301	349	48	15.9	5	8	13	14.30	7
51-4190	Miscellaneous Metalworkers and Plastic Workers	37	38	1	2.7	0	1	1	n/a	n/a
51-5000	Printing Workers	260	234	-26	-10.0	0	7	7	n/a	n/a
51-5020	Printers	249	222	-27	-10.8	0	6	6	n/a	n/a
51-5022	Prepress Technicians and Workers	44	31	-13	-29.5	0	1	1	7.87	9
51-5023	Printing Machine Operators	199	183	-16	-8.0	0	5	5	10.86	10
51-6000	Textile, Apparel, and Furnishings Workers	1,240	1,060	-180	-14.5	0	18	18	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	59	79	20	33.9	2	2	4	7.76	10
51-6031	Sewing Machine Operators	882	644	-238	-27.0	0	9	9	7.78	10
51-6050	Tailors, Dressmakers, and Sewers	33	36	3	9.1	0	1	1	n/a	n/a
51-6060	Textile Machine Setters, Operators, and Tenders	48	42	-6	-12.5	0	1	1	n/a	n/a
51-6090	Miscellaneous Textile, Apparel & Furnishings Workers	196	236	40	20.4	4	5	9	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Production Occupations (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
51-7000	Woodworkers	497	636	139	28.0	14	19	33	n/a	n/a
51-7040	Woodworking Machine Setters, Operators, and Tenders	344	452	108	31.4	11	14	25	n/a	n/a
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	268	354	86	32.1	9	11	20	7.53	10
51-8000	Plant and System Operators	65	102	37	56.9	4	2	6	n/a	n/a
51-8031	Water, Liquid Waste Treatment Plant & System Operator	38	69	31	81.6	3	1	4	10.59	9
51-9000	Other Production Occupations	2,008	2,189	181	9.0	18	44	62	n/a	n/a
51-9020	Crushing, Grinding, Polishing, Mixing & Blending Worker	154	171	17	11.0	2	3	5	n/a	n/a
51-9030	Cutting Workers	153	175	22	14.4	2	3	5	n/a	n/a
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	54	66	12	22.2	1	2	3	13.89	10
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	346	360	14	4.0	1	8	9	10.60	10
51-9111	Packaging and Filling Machine Operators and Tenders	*	*	*	*	*	*	*	9.75	11
51-9120	Painting Workers	100	102	2	2.0	0	2	2	n/a	n/a
51-9121	Coating, Painting & Spraying Machine Setters, Operators	69	69	0	0.0	0	2	2	10.50	10
51-9130	Photo. Process Workers & Processing Machine Operator	48	70	22	45.8	2	1	3	n/a	n/a
51-9190	Miscellaneous Production Workers	470	411	-59	-12.6	0	10	10	n/a	n/a
51-9198	Helpers--Production Workers	133	130	-3	-2.3	0	3	3	8.63	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Cumberland Valley Area

Transportation & Material Moving Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
53-0000 Transportation and Material Moving Occupations		7,778	8,816	1,038	13.3	104	189	293	n/a	n/a
53-1000	Supervisors, Transportation & Material Moving Workers	230	313	83	36.1	8	5	13	n/a	n/a
53-1021	Supervisors of Helpers, Laborers & Material Moving	110	157	47	42.7	5	2	7	14.67	8
53-1031	Supervisors of Transportation and Material Moving	120	156	36	30.0	4	3	7	16.65	8
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-3000	Motor Vehicle Operators	3,601	4,114	513	14.2	51	61	112	n/a	n/a
53-3020	Bus Drivers	1,000	1,207	207	20.7	21	25	46	n/a	n/a
53-3022	Bus Drivers, School	693	699	6	0.9	1	18	19	11.27	11
53-3030	Driver/Sales Workers and Truck Drivers	2,527	2,800	273	10.8	27	35	62	n/a	n/a
53-3031	Driver/Sales Workers	324	347	23	7.1	2	5	7	13.44	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,422	1,555	133	9.4	13	20	33	13.93	10
53-3033	Truck Drivers, Light or Delivery Services	781	898	117	15.0	12	11	23	12.46	11
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	13.40	11
53-4000	Rail Transportation Workers	250	183	-67	-26.8	0	11	11	n/a	n/a
53-4010	Locomotive Engineers and Operators	101	93	-8	-7.9	0	5	5	n/a	n/a
53-4011	Locomotive Engineers	99	92	-7	-7.1	0	4	4	n/a	11
53-6000	Other Transportation Workers	58	56	-2	-3.4	0	2	2	n/a	n/a
53-7000	Material Moving Workers	3,617	4,132	515	14.2	52	109	161	n/a	n/a
53-7011	Conveyor Operators and Tenders	211	235	24	11.4	2	6	8	11.45	11
53-7032	Excavating & Loading Machine & Dragline Operators	64	59	-5	-7.8	0	2	2	12.86	10
53-7051	Industrial Truck and Tractor Operators	443	503	60	13.5	6	6	12	10.25	11
53-7060	Laborers and Material Movers, Hand	2,668	3,115	447	16.8	45	87	132	n/a	n/a
53-7061	Cleaners of Vehicles and Equipment	131	152	21	16.0	2	5	7	7.41	11
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,630	2,078	448	27.5	45	55	100	8.29	11
53-7063	Machine Feeders and Offbearers	480	474	-6	-1.3	0	17	17	9.90	11
53-7064	Packers and Packagers, Hand	427	411	-16	-3.7	0	11	11	7.21	11
53-7081	Refuse and Recyclable Material Collectors	73	80	7	9.6	1	3	4	10.25	11
53-7111	Shuttle Car Operators	107	88	-19	-17.8	0	3	3	14.01	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

Postsecodary awards

(1) *First professional degree.* Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requiries at least 3 years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's degree.* Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

(5) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(6) *Associate degree.* Completion of the degree usually requires at least 2 years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term on-the-job training.* More than 12 months on on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, atheletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term on-the-job training.* Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

(11) *Short-term on-the-job training.* Skills needed to be fully qulaified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.

Occupational Title	SOC Code	Page Number
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--- A ---

Accountants and Auditors	13-2011	10
Administrative Services Managers	11-3011	9
Adult Literacy, Remedial Education & GED Teachers	25-3011	16
Advertising and Promotions Managers	11-2011	9
Advertising Sales Agents	41-3011	24
Advertising, Marketing, Promotions, PR & Sales	11-2000	9
Agricultural and Food Science Technicians	19-4011	13
Agricultural Equipment Operators	45-2091	27
Agricultural Managers	11-9010	9
Agricultural Workers	45-2000	27
Air Transportation Workers	53-2000	32
Amusement and Recreation Attendants	39-3091	23
Animal Care and Service Workers	39-2000	23
Announcers	27-3010	17
Anthropologists and Archeologists	19-3091	13
Appraisers and Assessors of Real Estate	13-2021	10
Architects, Surveyors, and Cartographers	17-1000	12
Art and Design Workers	27-1000	17
Arts, Communications & Humanities Teachers, Postsec	25-1120	16
Assemblers and Fabricators	51-2000	30
Assemblers and Fabricators, All Other	51-2099	30
Automotive Service Technicians and Mechanics	49-3023	29
Automotive Technicians and Repairers	49-3020	29

--- B ---

Bakers	51-3011	30
Barbers and Cosmetologists	39-5010	23
Bartenders	35-3011	21
Bill and Account Collectors	43-3011	25
Billing and Posting Clerks and Machine Operators	43-3021	25
Biological Technicians	19-4021	13
Bookkeeping, Accounting, and Auditing Clerks	43-3031	25
Brickmasons, Blockmasons, and Stonemasons	47-2020	28
Budget Analysts	13-2031	10
Building Cleaning and Pest Control Workers	37-2000	22

Occupational Title	SOC Code	Page Number
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Building Cleaning Workers	37-2010	22
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	29
Bus Drivers	53-3020	32
Bus Drivers, School	53-3022	32
Business Operations Specialists	13-1000	10
Business Operations Specialists, All Other	13-1199	10
Butchers and Meat Cutters	51-3021	30
Butchers, Other Meat, Poultry & Fish Processing Worker	51-3020	30
Buyers and Purchasing Agents	13-1020	10

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Carpenters	47-2031	28
Carpet, Floor, and Tile Installers and Finishers	47-2040	28
Cashiers	41-2011	24
Cement Masons and Concrete Finishers	47-2051	28
Cement Masons, Concrete Finishers & Terrazzo Workers	47-2050	28
Chief Executives	11-1011	9
Child Care Workers	39-9011	23
Cleaners of Vehicles and Equipment	53-7061	32
Clergy	21-2011	14
Clinical Laboratory Technologists and Technicians	29-2010	18
Clinical, Counseling, and School Psychologists	19-3031	13
Coating, Painting & Spraying Machine Setters, Operators	51-9121	31
Combined Food Prep. and Serving Workers	35-3021	21
Communications Equipment Operators	43-2000	25
Compensation, Benefits, and Job Analysis Specialists	13-1072	10
Computer and Information Systems Managers	11-3021	9
Computer Operators	43-9011	26
Computer Programmers	15-1021	11
Computer Specialists	15-1000	11
Computer Systems Analysts	15-1051	11
Computer, Automated Teller & Office Machine Repairers	49-2011	29
Computer-Controlled Machine Tool Operators	51-4011	30
Conservation Scientists	19-1031	13
Conservation Scientists and Foresters	19-1030	13
Construction Equipment Operators	47-2070	28
Construction Laborers	47-2061	28
Construction Managers	11-9021	9

Occupational Title	SOC Code	Page Number
Construction Trades Workers	47-2000	28
Continuous Mining Machine Operators	47-5041	28
Conveyor Operators and Tenders	53-7011	32
Cooks	35-2010	21
Cooks and Food Preparation Workers	35-2000	21
Cooks, Fast Food	35-2011	21
Cooks, Institution and Cafeteria	35-2012	21
Cooks, Restaurant	35-2014	21
Cooks, Short Order	35-2015	21
Correctional Officers and Jailers	33-3012	20
Cost Estimators	13-1051	10
Counselors	21-1010	14
Counselors, Social Workers & Other Community	21-1000	14
Counselors, Social, and Religious Workers, All Other	21-9099	14
Counter and Rental Clerks	41-2021	24
Counter and Rental Clerks and Parts Salespersons	41-2020	24
Counter Attendants, Cafeteria, Food Concession	35-3022	21
Couriers and Messengers	43-5021	25
Crushing, Grinding, Polishing, Mixing & Blending Worker	51-9020	31
Customer Service Representatives	43-4051	25
Cutting Workers	51-9030	31

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Data Entry and Information Processing Workers	43-9020	26
Data Entry Keyers	43-9021	26
Database Administrators	15-1061	11
Designers	27-1020	17
Diagnostic Related Technologists and Technicians	29-2030	18
Dietitians and Nutritionists	29-1031	18
Dishwashers	35-9021	21
Dispatchers	43-5030	25
Dispatchers, Except Police, Fire, and Ambulance	43-5032	25
Drafters	17-3010	12
Drafters, Engineering, and Mapping Technicians	17-3000	12
Driver/Sales Workers	53-3031	32
Driver/Sales Workers and Truck Drivers	53-3030	32
Drywall Installers, Ceiling Tile Installers, and Tapers	47-2080	28

Occupational Title	SOC Code	Page Number
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Earth Drillers, Except Oil and Gas	47-5021	28
Editors	27-3041	17
Education Admin., Elementary and Secondary School	11-9032	9
Education Admin., Preschool and Child Care Center	11-9031	9
Education Administrators	11-9030	9
Education Administrators, Postsecondary	11-9033	9
Educational, Vocational, and School Counselors	21-1012	14
Electrical and Electronic Equip. Mechanics, Installers	49-2000	29
Electrical Power-Line Installers and Repairers	49-9051	29
Electrical, Electronics & Electromechanical Assemblers	51-2020	30
Electricians	47-2111	28
Elementary and Middle School Teachers	25-2020	16
Elementary School Teachers, Ex. Special Education	25-2021	16
Emergency Management Specialists	13-1061	10
Emergency Medical Technicians and Paramedics	29-2041	18
Engineering Managers	11-9041	9
Engineering Technicians, Except Drafters	17-3020	12
Engineers	17-2000	12
Entertainers and Performers, Sports & Related Workers	27-2000	17
Entertainment Attendants and Related Workers	39-3000	23
Environmental Engineering Technicians	17-3025	12
Excavating & Loading Machine & Dragline Operators	53-7032	32
Executive Secretaries and Administrative Assistants	43-6011	26
Explosives Worker, Ordnance Handling Expert & Blaster	47-5031	28
Extraction Workers	47-5000	28

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Family and General Practitioners	29-1062	18
Farmers and Ranchers	11-9012	9
Fast Food and Counter Workers	35-3020	21
File Clerks	43-4071	25
Financial Clerks	43-3000	25
Financial Examiners	13-2061	10
Financial Managers	11-3031	9

Occupational Title	SOC Code	Page Number
Financial Specialists	13-2000	10
Financial, Information, and Record Clerks, All Other	43-4999	25
Fire Fighters	33-2011	20
Fire Fighting and Prevention Workers	33-2000	20
Fishers and Related Fishing Workers	45-3010	27
Fishing and Hunting Workers	45-3000	27
Food and Beverage Serving Workers	35-3000	21
Food Preparation Workers	35-2021	21
Food Processing Workers	51-3000	30
Food Servers, Nonrestaurant	35-3041	21
Food Service Managers	11-9051	9
Forest and Conservation Technicians	19-4093	13
Forest and Conservation Workers	45-4011	27
Forest, Conservation, and Logging Workers	45-4000	27
Forming Machine Setters, Operators, and Tenders	51-4020	30
Funeral Service Workers	39-4000	23
Furnace, Kiln, Oven, Drier & Kettle Operators & Tenders	51-9051	31
--- G ---		
General and Operations Managers	11-1021	9
Grounds Maintenance Workers	37-3000	22
Grounds Maintenance Workers	37-3010	22
--- H ---		
Hairdressers, Hairstylists, and Cosmetologists	39-5012	23
Health & Safety Engineers, Ex. Mining Safety Engineers	17-2111	12
Health Diagnosing & Treating Practitioner Support Tech.	29-2050	18
Health Diagnosing and Treating Practitioners	29-1000	18
Health Educators	21-1091	14
Health Teachers, Postsecondary	25-1070	16
Health Technologists and Technicians	29-2000	18
Heating, Air Conditioning & Refrigeration Mechanics	49-9021	29
Heavy Vehicle & Mobile Equip. Service Technicians	49-3040	29
Helpers, Construction Trades	47-3000	28
Helpers, Construction Trades	47-3010	28

Occupational Title	SOC Code	Page Number
Helpers--Extraction Workers	47-5081	28
Helpers--Production Workers	51-9198	31
Historians	19-3093	13
Home Health Aides	31-1011	19
Hosts and Hostesses, Restaurant, Lounge	35-9031	21
Hotel, Motel, and Resort Desk Clerks	43-4081	25
Human Resources Assist., Ex. Payroll and Timekeeping	43-4161	25
Human Resources Managers	11-3040	9
Human Resources, Training & Labor Relations Spec.	13-1070	10
--- I ---		
Indust. Machinery Installation, Repair & Maintenance	49-9040	29
Industrial Engineers	17-2112	12
Industrial Engineers, Including Health and Safety	17-2110	12
Industrial Machinery Mechanics	49-9041	29
Industrial Production Managers	11-3051	9
Industrial Truck and Tractor Operators	53-7051	32
Information and Record Clerks	43-4000	25
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	31
Instructional Coordinators	25-9031	16
Interviewers, Except Eligibility and Loan	43-4111	25
--- J ---		
Janitors & Cleaners, Ex. Maids & Housekeeping Cleaner	37-2011	22
--- K ---		
Kindergarten Teachers, Except Special Education	25-2012	16
--- L ---		
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	32
Laborers and Material Movers, Hand	53-7060	32

Occupational Title	SOC Code	Page Number
Landscaping and Groundskeeping Workers	37-3011	22
Laundry and Dry-Cleaning Workers	51-6011	30
Law Clerks	23-2092	15
Law Enforcement Workers	33-3000	20
Lawyers	23-1011	15
Lawyers, Judges, and Related Workers	23-1000	15
Legal and Related Workers, All Other	23-9099	15
Legal Support Workers	23-2000	15
Librarians	25-4021	16
Librarians, Curators, and Archivists	25-4000	16
Library Assistants, Clerical	43-4121	25
Library Technicians	25-4031	16
Library, Museum, Training & Other Ed. Workers, All Other	25-9199	16
Licensed Practical and Licensed Vocational Nurses	29-2061	18
Life Scientists	19-1000	13
Life, Physical, and Social Science Technicians	19-4000	13
Line Installers and Repairers	49-9050	29
Loan Interviewers and Clerks	43-4131	25
Loan Officers	13-2072	10
Locomotive Engineers	53-4011	32
Locomotive Engineers and Operators	53-4010	32
Lodging Managers	11-9081	9
Logging Equipment Operators	45-4022	27
Logging Workers	45-4020	27

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Machine Feeders and Offbearers	53-7063	32
Machine Tool Cutting Setters, Operators, and Tenders	51-4030	30
Machinists	51-4041	30
Maids and Housekeeping Cleaners	37-2012	22
Maintenance and Repair Workers, General	49-9042	29
Maintenance Workers, Machinery	49-9043	29
Management Analysts	13-1111	10
Managers, All Other	11-9199	9
Manufactured Building and Mobile Home Installers	49-9095	29
Marketing and Sales Managers	11-2020	9
Marketing Managers	11-2021	9

Occupational Title	SOC Code	Page Number
Material Moving Workers	53-7000	32
Material Record, Schedule, Dispatch & Distribute	43-5000	25
Math and Computer Teachers, Postsecondary	25-1020	16
Mathematical Scientists	15-2000	11
Mechanical Drafters	17-3013	12
Media and Communication Equipment Workers	27-4000	17
Media and Communication Workers	27-3000	17
Media and Communication Workers, All Other	27-3099	17
Medical and Clinical Laboratory Technicians	29-2012	18
Medical and Clinical Laboratory Technologists	29-2011	18
Medical and Health Services Managers	11-9111	9
Medical and Public Health Social Workers	21-1022	14
Medical Assistants	31-9092	19
Medical Equipment Repairers	49-9062	29
Medical Records and Health Information Technicians	29-2071	18
Medical Secretaries	43-6013	26
Medical Transcriptionists	31-9094	19
Mental Health and Substance Abuse Social Workers	21-1023	14
Metal Workers and Plastic Workers	51-4000	30
Meter Readers, Utilities	43-5041	25
Middle School Teachers, Ex. Special & Vocational Ed.	25-2022	16
Mining and Geological Engineers, Inc. Mining Safety Eng	17-2151	12
Mining Machine Operators	47-5040	28
Misc. Building & Grounds Cleaning & Maintenance Work	37-9000	22
Misc. Entertainment Attendants and Related Workers	39-3090	23
Misc. Installation, Maintenance & Repair Workers	49-9090	29
Misc. Life, Physical & Social Science Technicians	19-4090	13
Misc. Vehicle and Mobile Equipment Mechanic, Installer	49-3090	29
Miscellaneous Agricultural Workers	45-2090	27
Miscellaneous Assemblers and Fabricators	51-2090	30
Miscellaneous Community & Social Service Specialists	21-1090	14
Miscellaneous Counselors, Social, & Religious Workers	21-9000	14
Miscellaneous Electrical and Electronic Equipment	49-2090	29
Miscellaneous Food Processing Workers	51-3090	30
Miscellaneous Health Practitioners & Technical Workers	29-9090	18
Miscellaneous Healthcare Support Occupations	31-9090	19
Miscellaneous Legal & Related Workers	23-9000	15
Miscellaneous Legal Support Workers	23-2090	15
Miscellaneous Media and Communication Workers	27-3090	17

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Miscellaneous Metalworkers and Plastic Workers	51-4190	30
Miscellaneous Postsecondary Teachers	25-1190	16
Miscellaneous Production Workers	51-9190	31
Miscellaneous Protective Service Workers	33-9090	20
Miscellaneous Sales and Related Workers	41-9090	24
Miscellaneous Social Scientists and Related Workers	19-3090	13
Miscellaneous Textile, Apparel & Furnishings Workers	51-6090	30
Mobile Heavy Equipment Mechanics, Except Engines	49-3042	29
Molding, Coremaking, Casting Machine Setter, Operator	51-4072	30
Motor Vehicle Operators	53-3000	32
Motor Vehicle Operators, All Other	53-3099	32

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Natural Sciences Managers	11-9121	9
Network and Computer Systems Administrators	15-1071	11
New Accounts Clerks	43-4141	25
News Analysts, Reporters and Correspondents	27-3020	17
Nuclear Medicine Technologists	29-2033	18
Nursing Aides, Orderlies, and Attendants	31-1012	19
Nursing, Psychiatric, and Home Health Aides	31-1000	19
Nursing, Psychiatric, and Home Health Aides	31-1010	19

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Occupational Health and Safety Specialists & Techs.	29-9010	18
Occupational Therapists	29-1122	18
Occupational, Physical Therapist Assistants and Aides	31-2000	19
Office Clerks, General	43-9061	26
Operating Engineers & Other Construction Equip. Ops.	47-2073	28
Operations Specialties Managers	11-3000	9
Order Clerks	43-4151	25
Other Construction and Related Workers	47-4000	28
Other Education, Training, and Library Occupations	25-9000	16
Other Farming, Fishing, and Forestry Workers	45-9000	27
Other Food Preparation and Serving Related Workers	35-9000	21
Other Healthcare Practitioners, Technical Occupations	29-9000	18

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Other Healthcare Support Occupations	31-9000	19
Other Installation, Maintenance & Repair Occupations	49-9000	29
Other Management Occupations	11-9000	9
Other Office and Administrative Support Workers	43-9000	26
Other Personal Care and Service Workers	39-9000	23
Other Production Occupations	51-9000	31
Other Protective Service Workers	33-9000	20
Other Sales and Related Workers	41-9000	24
Other Teachers and Instructors	25-3000	16
Other Transportation Workers	53-6000	32

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Packaging and Filling Machine Operators and Tenders	51-9111	31
Packers and Packagers, Hand	53-7064	32
Painters and Paperhangers	47-2140	28
Painters, Construction and Maintenance	47-2141	28
Painting Workers	51-9120	31
Paralegals and Legal Assistants	23-2011	15
Parts Salespersons	41-2022	24
Payroll and Timekeeping Clerks	43-3051	25
Personal Appearance Workers	39-5000	23
Pharmacists	29-1051	18
Pharmacy Aides	31-9095	19
Pharmacy Technicians	29-2052	18
Photo. Process Workers & Processing Machine Operator	51-9130	31
Physical Scientists	19-2000	13
Physical Therapist Aides	31-2022	19
Physical Therapist Assistants and Aides	31-2020	19
Physical Therapists	29-1123	18
Physicians and Surgeons	29-1060	18
Pipelayers	47-2151	28
Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-2150	28
Plant and System Operators	51-8000	31
Plumbers, Pipefitters, and Steamfitters	47-2152	28
Police Officers	33-3050	20
Police, Fire, and Ambulance Dispatchers	43-5031	25
Postal Service Clerks	43-5051	26

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Postal Service Mail Carriers	43-5052	26
Postal Service Mail Sorter, Processor, Processing Mach.	43-5053	26
Postal Service Workers	43-5050	26
Postmasters and Mail Superintendents	11-9131	9
Postsecondary Teachers	25-1000	16
Precision Instrument and Equipment Repairers	49-9060	29
Prepress Technicians and Workers	51-5022	30
Preschool and Kindergarten Teachers	25-2010	16
Preschool Teachers, Except Special Education	25-2011	16
Primary, Secondary & Special Ed. School Teachers	25-2000	16
Printers	51-5020	30
Printing Machine Operators	51-5023	30
Printing Workers	51-5000	30
Procurement Clerks	43-3061	25
Production, Planning, and Expediting Clerks	43-5061	26
Property, Real Estate & Community Assn Managers	11-9141	9
Protective Service Workers, All Other	33-9099	20
Public Relations Specialists	27-3031	17
Purchasing Agents and Buyers, Farm Products	13-1021	10
Purchasing Agents, Ex. Wholesale, Retail & Farm Prod.	13-1023	10
Purchasing Managers	11-3061	9

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Radiologic Technologists and Technicians	29-2034	18
Rail Transportation Workers	53-4000	32
Real Estate Sales Agents	41-9022	24
Receptionists and Information Clerks	43-4171	25
Recreation and Fitness Workers	39-9030	23
Recreation Workers	39-9032	23
Recreational Therapists	29-1125	18
Refuse and Recyclable Material Collectors	53-7081	32
Registered Nurses	29-1111	18
Religious Workers	21-2000	14
Respiratory Therapists	29-1126	18
Retail Sales Workers	41-2000	24
Retail Salespersons	41-2031	24
Roof Bolters, Mining	47-5061	28

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Sales and Related Workers, All Other	41-9099	24
Sales Managers	11-2022	9
Sales Representatives, Services	41-3000	24
Sales Representatives, Wholesale and Manufacturing	41-4000	24
Sales Representatives, Wholesale and Manufacturing	41-4010	24
Sales Reps, Wholesale & Manufacturing, Ex. Technical	41-4012	24
Sales Reps, Wholesale and Manufacturing, Technical	41-4011	24
Sawing Machine Setters, Operators, and Tenders, Wood	51-7041	31
Secondary School Teachers	25-2030	16
Secondary School Teachers, Ex. Special & Voc. Ed.	25-2031	16
Secretaries and Administrative Assistants	43-6000	26
Secretaries and Administrative Assistants	43-6010	26
Secretaries, Administrative Assist. & Other Office Support	43-9999	26
Secretaries, Except Legal, Medical, and Executive	43-6014	26
Security Guards	33-9032	20
Set and Exhibit Designers	27-1027	17
Sewing Machine Operators	51-6031	30
Shipping, Receiving, and Traffic Clerks	43-5071	26
Shuttle Car Operators	53-7111	32
Small Engine Mechanics	49-3050	29
Social and Community Service Managers	11-9151	9
Social and Human Service Assistants	21-1093	14
Social Scientists and Related Workers	19-3000	13
Social Scientists and Related Workers, All Other	19-3099	13
Social Workers	21-1020	14
Special Ed. Teachers, Preschool to Elementary	25-2041	16
Special Education Teachers	25-2040	16
Special Education Teachers, Middle School	25-2042	16
Special Education Teachers, Secondary School	25-2043	16
Speech-Language Pathologists	29-1127	18
Stock Clerks and Order Fillers	43-5081	26
Supervisors of Construction Trades and Extraction	47-1011	28
Supervisors of Farming, Fishing, and Forestry	45-1010	27
Supervisors of Food Preparation and Serving Workers	35-1012	21
Supervisors of Helpers, Laborers & Material Moving	53-1021	32
Supervisors of Housekeeping and Janitors	37-1011	22

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Supervisors of Installation, Maintenance & Repair Work	49-1000	29
Supervisors of Landscaping, Lawn Service	37-1012	22
Supervisors of Mechanics, Installers & Repair Workers	49-1011	29
Supervisors of Non-Retail Sales Workers	41-1012	24
Supervisors of Office and Administrative	43-1011	25
Supervisors of Personal Service Workers	39-1021	23
Supervisors of Production and Operating	51-1011	30
Supervisors of Retail Sales Workers	41-1011	24
Supervisors of Transportation and Material Moving	53-1031	32
Supervisors, Building and Grounds Cleaning	37-1010	22
Supervisors, Building, Grounds Cleaning & Maintenance	37-1000	22
Supervisors, Construction and Extraction Workers	47-1000	28
Supervisors, Farming, Fishing, and Forestry Workers	45-1000	27
Supervisors, Food Preparation and Serving Workers	35-1000	21
Supervisors, Food Preparation and Serving Workers	35-1010	21
Supervisors, Law Enforcement Workers	33-1010	20
Supervisors, Office & Administrative Support Workers	43-1000	25
Supervisors, Personal Care and Service Workers	39-1000	23
Supervisors, Production Workers	51-1000	30
Supervisors, Protective Service Workers	33-1000	20
Supervisors, Protective Service Workers	33-1099	20
Supervisors, Sales Workers	41-1000	24
Supervisors, Sales Workers	41-1010	24
Supervisors, Transportation & Material Moving Workers	53-1000	32
Surgical Technologists	29-2055	18
Surveying and Mapping Technicians	17-3031	12
Surveyors	17-1022	12
Surveyors, Cartographers, and Photogrammetrists	17-1020	12
Switchboard Operators, Including Answering Service	43-2011	25

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Tailors, Dressmakers, and Sewers	51-6050	30
Tax Examiners, Collectors, Preparers, and Revenue	13-2080	10
Tax Preparers	13-2082	10
Teacher Assistants	25-9041	16

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Teachers, Primary, Secondary, and Adult, All Other	25-3999	16
Telecommunications Equip. Installers & Repairers	49-2022	29
Telecommunications Line Installers and Repairers	49-9052	29
Tellers	43-3071	25
Textile Machine Setters, Operators, and Tenders	51-6060	30
Textile, Apparel, and Furnishings Workers	51-6000	30
Therapists	29-1120	18
Title Examiners, Abstractors, and Searchers	23-2093	15
Tool and Die Makers	51-4111	30
Top Executives	11-1000	9
Tour Guides and Escorts	39-6021	23
Training and Development Specialists	13-1073	10
Transportation, Storage, and Distribution Managers	11-3071	9
Transportation, Tourism, and Lodging Attendants	39-6000	23
Truck Drivers, Heavy and Tractor-Trailer	53-3032	32
Truck Drivers, Light or Delivery Services	53-3033	32

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Vehicle and Mobile Equipment Mechanics, Installers	49-3000	29
Veterinarians	29-1131	18
Vocational Education Teachers, Postsecondary	25-1194	16
Vocational Education Teachers, Secondary School	25-2032	16

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Waiters and Waitresses	35-3031	21
Water, Liquid Waste Treatment Plant & System Operator	51-8031	31
Weigher, Measurer, Checker & Sampler, Recordkeeping	43-5111	26
Welders, Cutters, Solderers, and Brazers	51-4121	30
Welding, Soldering, and Brazing Workers	51-4120	30
Wholesale and Retail Buyers, Except Farm Products	13-1022	10
Woodworkers	51-7000	31
Woodworking Machine Setters, Operators, and Tenders	51-7040	31
Writers and Editors	27-3040	17